Project 3 Documentation

MeloHarmony

Aman Ghiday

5/3/24

Purpose

As a user of Spotify and Musi, I love listening to new music. I specifically listen to new artists who aren't popular yet and I would love to find more. MeloHarmony promotes up and coming artists and provides the potential for them to grow by expanding their reach to resources. To enhance music as a whole by promoting and providing a platform for up-and-coming artists to collaborate is the primary mission of MeloHarmony as artists can now connect from anywhere.

Main Functions

The site has 4 pages allowing for artists to use plenty of different features. They are able to look at recommended artists to quick match with, build and edit their own profile, edit their settings, match with new users, and communicate with their matches. They are also able to send messages and create group chats to properly work each other.

Newest Implementations

Event Handling

1. **Mouseover and Mouse out Events**: Change the color of the **.main-title** element.

2. **Click Events**:

   - Settings button to display a confirmation message.

   - Edit button logs a message.

   - Match buttons display a message.

   - Yes and No buttons on the settings options in the profile page, with custom alerts.

   - Buttons for creating groups check selections and display appropriate alerts.

1. If user clicks create a group but does not select a user and clicks create: open a window saying please click a user to match with
2. If the user clicks create a group but only clicks one user and click create: show a error window saying pick more than one user.
3. If the user clicks more than one user and creates a group a window will pop up showing that the group creation is in progress.

- Buttons for creating groups check selections and display appropriate alerts.

3. **Focus and Blur Events**: Change the background color of all input fields on focus and revert on blur.

Selection

1. **querySelector()**: Used to select single elements like **.settings-btn**, **.main-title**, **.edit-btn**, and modal related buttons.

2. **querySelectorAll()**: Used to select multiple elements such as all input fields and all match buttons.

3. **getElementById()**: Specifically used to select elements like **groupModal**, **yes-btn**, and **no-btn**.

Dynamic Content

1. Displaying alerts and changing styles via event handlers.

2. Showing and hiding a modal based on button clicks.

3. Conditional alerts based on the number of selected checkboxes in a form.

Data Interchange

- The Spotify data fetching and display functionality is set for a users login api key Sadly, this part is still not finished but has areas to enter in the key. Further updates would need to include adding a link with an additional page to allow for Spotify Authorization to be functional.